

Contents

- Abad M → Ruiz C
 Alberte RS → Fain SR
 Alberte RS → Gao Y
 Alcaraz M → Saiz E
 Alongi DM: Vertical profiles of bacterial abundance, productivity and growth rates in coastal sediments of the central Great Barrier Reef lagoon 657
 Andersen KP → Hedegaard Pedersen B
 Anderson DM → Franks PJS
 Anderson RA → Harland AD
 Armstrong JD, Bagley PM, Priede IG: Photographic and acoustic tracking observations of the behaviour of the grenadier *Coryphaenoides (Nematonurus) armatus*, the eel *Synaphobranchus bathybius*, and other abyssal demersal fish in the North Atlantic Ocean 535
 Baden SP → Pihl L
 Bagley PM → Armstrong JD
 Bailey KM → Brown AL
 Barcia R → Vazquez-Illanes MD
 Beer S → Israel A
 Bell JD → Worthington DG
 Ben-Hillel R → Lotan A
 Benzie JAH, Stoddart JA: Genetic structure of outbreeding and non-outbreeding crown-of-thorns starfish (*Acanthaster planci*) populations on the Great Barrier Reef 119
 Benzie JAH, Stoddart JA: Genetic structure of crown-of-thorns starfish (*Acanthaster planci*) in Australia 631
 Blackburn TH → Hansen LS
 Botsford LW → Hobbs RC
 Botton ML, Loveland RE: Body size, morphological constraints, and mated pair formation in four populations of horseshoe crabs (*Limulus polyphemus*) along a geographic cline 409
 Bradley JS → Neira FJ
 Brasher DJ → Ovenden JR
 Brown AL, Bailey KM: Otolith analysis of juvenile walleye pollock *Theragra chalcogramma* from the western Gulf of Alaska 23
 Cadée GC → Riegman R
 Cadiou Y → Gilbert F
 Calvi C → Clarke ME
 Case JF → Mensinger AF
 Cavanaugh CM → Conway NM
 Chelazzi L → Scapini F
 Chen B-Y → Chen C-P
 Chen C-P, Chen B-Y: Effects of high temperature on larval development and metamorphosis of *Arachnoides placenta* (Echinodermata: Echinoidea) 445
 Chen C-P → Lin J
 Chen I-M → Lin J
 Chew SF, Ip YK: Biochemical adaptations of the mudskipper *Boleophthalmus boddarti* to a lack of oxygen 567
 Childress JJ → Kochevar RE
 Chrétiennot-Dinet MJ → Collos Y
 Clarke ME, Calvi C, Domeier M, Edmonds M, Walsh PJ: Effects of nutrition and temperature on metabolic enzyme activities in larval and juvenile red drum, *Sciaenops ocellatus*, and lane snapper, *Lutjanus synagris* 31
 Collos Y, Descolas-Gros C, Fontugne M, Mortain-Bertrand A, Chrétiennot-Dinet MJ, Frikha MG: Carbon and nitrogen dynamics during growth and degradation of phytoplankton under natural surface irradiance 491
 Colombini I → Scapini F
 Conway NM, Howes BL, McDowell Capuzzo JE, Turner RD, Cavanaugh CM: Characterization and site description of *Solemya borealis* (Bivalvia; Solemyidae), another bivalve-bacteria symbiosis 601
 Corzo A, Niell FX: Inorganic nitrogen metabolism in *Ulva rigida* illuminated with blue light 223
 Cunningham MJ → Mathers EM
 Descolas-Gros C → Collos Y
 DeTomaso A → Fain SR
 Diaz RJ → Pihl L
 Döhler G: Impact of UV-B radiation on uptake of ^{15}N -ammonia and ^{15}N -nitrate by phytoplankton of the Wadden Sea 485
 Domeier M → Clarke ME
 Edmonds M → Clarke ME
 Ellender G → Hyne RV
 Endo M, Onoue Y, Kuroki A: Neurotoxin-induced cardiac disorder and its role in the death of fish exposed to *Chattonella marina* 371
 Fain SR, DeTomaso A, Alberte RS: Characterization of disjunct populations of *Zostera marina* (eelgrass) from California: genetic differences resolved by restriction-fragment length polymorphisms 683
 Fallaci M → Scapini F
 Ferrell DJ → Worthington DG
 Fisher CR → Kochevar RE
 Fixter LM → Harland AD
 Fong PP, Pearse JS: Photoperiodic regulation of parturition in the self-fertilizing viviparous polychaete *Neanthes limicola* from central California 81
 Fontoura NF → Freire CA
 Fontugne M → Collos Y
 Franks PJS, Anderson DM: Alongshore transport of a toxic phytoplankton bloom in a buoyancy current: *Alexandrium tamarense* in the Gulf of Maine 153
 Franks PJS, Anderson DM: Toxic phytoplankton blooms in the southwestern Gulf of Maine: testing hypotheses of physical control using historical data 165
 Freire CA, Santos PJP, Fontoura NF, Magalhães RAO, Grohmann PA: Growth and spatial distribution of *Cassidulus mitis* (Echinodermata: Echinoidea) on a sandy beach in Southeastern Brazil 625
 Frikha MG → Collos Y
 Fröhlich F → Monniot F
 Fukuchi M → Handa N
 Galgani F → Gilbert F
 Gao Y, Smith GJ, Alberte RS: Light regulation of nitrate reductase in *Ulva fenestrata* (Chlorophyceae). I. Influence of light regimes on nitrate reductase activity 691
 Garcia Martinez P → Livingstone DR
 George-Nascimento M, Lima M, Ortiz E: A case of parasite-mediated competition? Phenotypic differentiation among hookworms *Uncinaria* sp. (Nematoda: Ancylostomatidae) in sympatric and allopatric populations of South American sea lions *Otaria byronia*, and fur seals *Arctocephalus australis* (Carnivora: Otariidae) 527
 Gilbert F, Galgani F, Cadiou Y: Rapid assessment of metabolic activity in marine microalgae: application in ecotoxicological tests and evaluation of water quality 199
 Gowing MM, Wishner KF: Feeding ecology of benthopelagic zooplankton on an eastern tropical Pacific seamount 451
 Gröne T, Kirst GO: The effect of nitrogen deficiency, methionine and inhibitors of methionine metabolism on the DMSP contents of *Tetraselmis subcordiformis* (Stein) 497
 Grohmann PA → Freire CA
 Haddock SHD → Herring PJ
 Hama J, Handa N: Diel photosynthetic production of cellular organic matter in natural phytoplankton populations, measured with ^{13}C and gas chromatography/mass spectrometry. I. Monosaccharides 175
 Hama J, Handa N: Diel photosynthetic production of cellular organic matter in natural phytoplankton populations, measured with ^{13}C and gas chromatography/mass spectrometry. II. Fatty acids and amino acids 183
 Handa N, Nakatsuka T, Fukuchi M, Hattori H, Hoshiai T: Vertical fluxes and ecological significance of organic materials during the phytoplankton bloom during austral summer in Bred Bay, Antarctica 469
 Handa N → Hama J
 Hansen LS, Blackburn TH: Effect of algal bloom deposition on sediment respiration and fluxes 147
 Harada K: Studies on feeding repellents for fishes and shellfishes. V. Evaluation of chemotaxis activity, with special ref-

- erence to repellence of food for black abalone *Haliotis discus* 383
- Harland AD, Fixter LM, Spencer Davies P, Anderson RA: Effect of light on the total lipid content and storage lipids of the symbiotic sea anemone *Anemonia viridis* 253
- Hattori H → Handa N
- Head EJJ: Gut pigment accumulation and destruction by arctic copepods *in vitro* and *in situ* 583
- Head EJJ: Comparison of the chemical composition of particulate material and copepod faecal pellets at stations off the coast of Labrador and in the Gulf of St. Lawrence 593
- Hedegaard Pedersen B, Andersen KP: Induction of trypsinogen secretion in herring larvae (*Clupea harengus*) 559
- Herrera A, Jackson JBC: Environmental versus taxonomic variation in lophophore morphology of Panamanian cheilostome bryozoans 99
- Herring PJ, Widder EA, Haddock SHD: Correlation of bioluminescence emissions with ventral photophores in the mesopelagic squid *Abralia veranyi* (Cephalopoda: Euprymtoidea) 293
- Hobbs RC, Botsford LW: Diel vertical migration and timing of metamorphosis of larvae of the Dungeness crab *Cancer magister* 417
- Hoshiai T → Handa N
- Hough AR, Naylor E: Biological and physical aspects of migration in the estuarine amphipod *Gammarus zaddachi* 437
- Houlihan DF → Mathers EM
- Howes BL → Conway NM
- Hunte W → Wittenberg M
- Hyne RV, Smith JD, Ellender G: Tissue and sub-cellular distribution of Fe, Cu, Zn and ^{210}Po in the abalone *Haliotis rubra* 75
- Ibarguren I → Vazquez-Illanes MD
- Ikeda M → Sato M
- Ikeda T: Laboratory observations on spawning, fecundity and early development of a mesopelagic ostracod, *Conchoecia pseudodiscophora*, from the Japan Sea 313
- Ip YK → Chew SF
- Ishimatsu A → Oda T
- Israel A, Beer S: Photosynthetic carbon acquisition in the red alga *Gracilaria conferta*. II. Rubisco carboxylase kinetics, carbonic anhydrase and HCO_3^- uptake 697
- Jackson JBC → Herrera A
- Jensen JN → Josefson AB
- Jerling HL, Wooldridge TH: Lunar influence on distribution of a calanoid copepod in the water column of a shallow, temperate estuary 309
- Johnston IA → Vieira VLA
- Josefson AB, Jensen JN: Growth patterns of *Amphiura filiformis* support the hypothesis of organic enrichment in the Skagerrak-Kattegat area 615
- Kenner MC: Population dynamics of the sea urchin *Strongylocentrotus purpuratus* in a Central California kelp forest: recruitment, mortality, growth, and diet 107
- Kirst GO → Gröne T
- Klein R, Pätzold J, Wefer G, Loya Y: Seasonal variations in the stable isotopic composition and the skeletal density pattern of the coral *Porites lobata* (Gulf of Eilat, Red Sea) 259
- Kleppel GS: Environmental regulation of feeding and egg production by *Acartia tonsa* off southern California 57
- Kochevar RE, Childress JJ, Fisher CR, Minnich E: The methane mussel: roles of symbiont and host in the metabolic utilization of methane 389
- Kuroki A → Endo M
- Lacson JM: Minimal genetic variation among samples of six species of coral reef fishes collected at La Parguera, Puerto Rico, and Discovery Bay, Jamaica 327
- Lafargue F → Vitturi R
- Lapota D, Rosenberger DE, Lieberman SH: Planktonic bioluminescence in the pack ice and the marginal ice zone of the Beaufort Sea 665
- Larson RJ: Riding Langmuir circulations and swimming in circles: a novel form of clustering behavior by the scyphomedusa *Linuche unguiculata* 229
- Lessios HA: Testing electrophoretic data for agreement with Hardy-Weinberg expectations 517
- Lieberman SH → Lapota D
- Lima M → George-Nascimento M
- Lin J, Chen C-P, Chen I-M: Sexual and asexual reproduction of *Anthopleura dixoniana* (Anthozoa: Actiniaria): periodicity and regulation 91
- Lips F → Livingstone DR
- Livingstone DR, Lips F, Garcia Martinez P, Pipe RK: Antioxidant enzymes in the digestive gland of the common mussel *Mytilus edulis* 265
- Lotan A, Ben-Hillel R, Loya Y: Life cycle of *Rhopilema nomadica*: a new immigrant scyphomedusa in the Mediterranean 237
- Loveland RE → Botton ML
- Loya Y → Klein R
- Loya Y → Lotan A
- Lund ED, Sidell BD: Neutral lipid compositions of Antarctic fish tissues may reflect use of fatty acyl substrates by catabolic systems 377
- Magalhães RAO → Freire CA
- Maillard C → Reversat J
- Marin A, Ros JD: Dynamics of a peculiar plant-herbivore relationship: the photosynthetic ascoglossan *Elysia timida* and the chlorophycean *Acetabularia acetabulum* 677
- Martinez D → Ruiz C
- Martoja R → Monniot F
- Mathers EM, Houlihan DF, Cunningham MJ: Nucleic acid concentrations and enzyme activities as correlates of growth rate of the saithe *Pollachius virens*: growth-rate estimates of open-sea fish 363
- McDowell Capuzzo JE → Conway NM
- McNeill SE → Worthington DG
- Mensing AF, Case JF: Dinoflagellate luminescence increases susceptibility of zooplankton to teleost predation 207
- Minnich E → Kochevar RE
- Monniot F, Martoja R, Truchet M, Fröhlich F: Opal in ascidians: a curious bioaccumulation in the ovary 283
- Mortain-Bertrand A → Collos Y
- Mosquera G → Ruiz C
- Mourente G, Tocher DR: Lipid class and fatty acid composition of brain lipids from Atlantic herring (*Clupea harengus*) at different stages of development 553
- Muramatsu T → Oda T
- Nakatsuka T → Handa N
- Naylor E → Hough AR
- Neira FJ, Potter IC, Bradley JS: Seasonal and spatial changes in the larval fish fauna within a large temperate Australian estuary 1
- Niell FX → Corzo A
- Noordeloos AAM → Riegman R
- Oda T, Ishimatsu A, Shimada M, Takeshita S, Muramatsu T: Oxygen-radical-mediated toxic effects of the red tide flagellate *Chattonella marina* on *Vibrio alginolyticus* 505
- Onoue Y → Endo M
- Orfanidis S: Light requirements for growth of six shade-acclimated Mediterranean macroalgae 511
- Ortiz E → George-Nascimento M
- Ovenden JR, Brasher DJ, White RWG: Mitochondrial DNA analyses of the red rock lobster *Jasus edwardsii* supports an apparent absence of population subdivision throughout Australasia 319
- Pätzold J → Klein R
- Pearse JS → Fong PP
- Pihl L, Baden SP, Diaz RJ, Schaffner LC: Hypoxia-induced structural changes in the diet of bottom-feeding fish and Crustacea 349
- Pipe RK → Livingstone DR
- Potter IC → Neira FJ
- Power JH, Walsh PJ: Metabolic scaling, buoyancy, and growth in larval Atlantic menhaden, *Brevoortia tyrannus* 17
- Priede IG → Armstrong JD
- Ramos-Martínez JI → Vazquez-Illanes MD
- Reversat J, Silan P, Maillard C: Structure of monogenean populations, ectoparasites of the gilthead sea bream *Sparus aurata* 43
- Riegman R, Noordeloos AAM, Cadée GC: *Phaeocystis* blooms and eutrophication of the continental coastal zones of the North Sea 479
- Rodríguez V → Saiz E
- Ros JD → Marin A

- Rosenberger DE → Lapota D
 Ruiz C, Martínez D, Mosquera G, Abad M, Sánchez JL: Seasonal variations in condition, reproductive activity and biochemical composition of the flat oyster, *Ostrea edulis*, from San Cibra (Galicia, Spain) 67
- Safran P: Theoretical analysis of the weight-length relationship in fish juveniles 545
- Saiz E, Rodríguez V, Alcaraz M: Spatial distribution and feeding rates of *Centropages typicus* in relation to frontal hydrographic structures in the Catalan Sea (Western Mediterranean) 49
- Sánchez JL → Ruiz C
 Santos PJP → Freire CA
 Sato M, Ikeda M: Chromosomal complements of two forms of *Neanthes japonica* (Polychaeta, Nereididae) with evidence of male-heterogametic sex chromosomes 299
- Scapini F, Chelazzi L, Colombini I, Fallaci M: Surface activity, zonation and migrations of *Talitrus saltator* on a Mediterranean beach 573
- Schaffner LC → Pihl L
 Schulz-Baldes M: Baseline study on Cd, Cu and Pb concentrations in Atlantic neuston organisms 211
- Shimada M → Oda T
 Sidell BD → Lund ED
 Silan P → Reversat J
 Skibinski DOF → Willis GL
 Smith GJ → Gao Y
 Smith JD → Hyne RV
- Solé-Cava AM, Thorpe JP: Genetic divergence between colour morphs in populations of the common intertidal sea anemones *Actinia equina* and *A. prasina* (Anthozoa: Actiniaria) in the Isle of Man 243
- Spencer Davies P → Harland AD
 Spicer JI, Weber RE: Respiratory impairment by water-borne copper and zinc in the edible crab *Cancer pagurus* (L.) (Crustacea: Decapoda) during hypoxic exposure 429
- Stoddart JA → Benzie JAH
- Takeshita S → Oda T
 Thorpe JP → Solé-Cava AM
 Tocher DR → Mourente G
 Truchet M → Monniot F
 Turner RD → Conway NM
 Turon X: Periods of non-feeding in *Polysyncrator lacazei* (Ascidacea: Didemnidae): a rejuvenative process? 647
- Vazquez-Illanes MD, Barcia R, Ibarguren I, Villamarín JA, Ramos-Martínez JI: Regulation of fructose-2,6-bisphosphate content in mantle tissue of the sea mussel *Mytilus galloprovincialis*. I. Purification and properties of 6-phosphofructo-2-kinase 277
- Vermeij GJ: Trans-equatorial connections between biotas in the temperate eastern Atlantic 343
- Vieira VLA, Johnston IA: Influence of temperature on muscle-fibre development in larvae of the herring *Clupea harengus* 333
- Villamarín JA → Vázquez-Illanes MD
 Vitturi R, Lafargue F: Karyotype analyses reveal inter-individual polymorphism and association of nucleolus-organizer-carrying chromosomes in *Capros aper* (Pisces: Zeiformes) 37
- Walsh PJ → Clarke ME
 Walsh PJ → Power JH
 Ward S: Evidence for broadcast spawning as well as brooding in the scleractinian coral *Pocillopora damicornis* 641
- Weber RE → Spicer JI
 Wefer G → Klein R
 White RWG → Ovenden JR
 Widder EA → Herring PJ
 Willis GL, Skibinski DOF: Variation in strength of attachment to the substrate explains differential mortality in hybrid mussel (*Mytilus galloprovincialis* and *M. edulis*) populations 403
- Wishner KF → Gowing MM
 Wittenberg M, Huete W: Effects of eutrophication and sedimentation on juvenile corals. I. Abundance, mortality and community structure 131
- Wooldridge TH → Jerling HL
 Worthington DG, Ferrell DJ, McNeill SE, Bell JD: Effects of the shoot density of seagrass on fish and decapods: are correlations evident over large spatial scales? 139
- Yamaguchi M: DNA synthesis and the cell cycle in the noxious red-tide dinoflagellate *Gymnodinium nagasakiense* 191

Corrigendum 525

Indexed in Current Contents